

For duriving Roun-

Sounax Mandal 19EC10088 Page No- 5

 $R_{0ut} = r_{03} + (1 + 9 m_3 r_{03}) R_S$   $R_{s} = courred$   $-r_{03} + r_{02} (1 + 9 m_3 r_{03})$  $= r_{02} + r_{03} + 9 m_3 r_{02} r_{03}$  (Am)

since for finding the out output recistance Vin is shorted  $r_{02} = \frac{1}{\sqrt{100}}$   $\frac{1}{\sqrt{100}}$ 

too2 & 1

9 m3 = Kn3 Vov3 = V4h)

All the parameters are for the time when sour current froms